BUFFALO AirStation G54

125* High Speed Mode™ Wireless Notebook Adapter – WLI-CB-G54S

The AirStation 125* High Speed Mode™ Wireless Notebook Adapter offers a fast and flexible client solution for your notebook PC. 32-Bit CardBus technology and 54Mbps wireless data rates ensure maximum performance. In addition, the 125* High Speed Mode™ Wireless Notebook Adapter supports AOSS™ (Airstation OneTouch Secure System) allowing you to easily setup secure wireless connections to your AOSS-enabled Router. Fits any Notebook PC with an available Type II or Type III PC card slot.

Features:

- AOSS support (AOSS Client Manager Required)
- 125* High Speed Mode™ Wireless Technology
- 32-Bit CardBus performance
- WPA (TKIP, AES), 802.1x support (Requires supplicant)
- Support 64/128-bit WEP
- Easy to install and setup

AOSS™

Buffalo AirStation One-Touch Secure System allows you to create secure wireless connections with the push of the button and click of a mouse!

- Press the AOSS button 1 on the router to initiate the AOSS session.
- Click on the AOSS button 2 in the Buffalo Client Manager software.
- DONE - A secure connection is automatically established between the access point and wireless client.

AOSS functions between Buffalo AOSS enabled devices only. Buffalo client devices are AOSS enabled by using Buffalo's updated client manager software (Windows clients only).* When operating in High Speed Mode™, this Wi-Fi device achieves an actual throughput of up to 34.1Mbps, which is the equivalent throughput of a system following 802.11g protocol and operating at a signaling rate of 125Mbps.

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Technical Specifications

125* High Speed Mode™ Wireless Notebook Adapter – WLI-CB-G54S

Wireless LAN

Standards Compliance	802.11g (Wireless LAN standard) 802.11b (Wireless LAN Standard)
Frequency Range	2.412 - 2.462GHz
802.11g 125* High Speed Mode™ Rates	13, 20, 27, 40, 54, 80, 110, 125Mbps
Transmission Rate	802.11g: 6, 9, 12, 18, 24, 36, 48, 54Mbps 802.11b: 1, 2, 5.5, 11Mbps
Security	WPA (TKIP, AES), 802.1x support (Requires supplicant), WEP
Access Mode	Infrastructure Mode / AdHoc Mode
Selectable Channels	11 Channels
Communication Protocol	Direct Sequence Spread Spectrum (DSSS), OFDM

Hardware

Interface	32-Bit CardBus
Dimensions	55 x 7.5 x 118mm
Weight	40g
Operating Environment	0-55°c, 20-80% humidity (non-condensing)

Support Available for:	Windows XP, ME, 2000, 98SE
Package Contents:	AirStation 125* High Speed Mode™ Wireless Notebook Adapter, CD-ROM with Manual, Quick Setup Guide and Warranty Statement
Related Products:	Buffalo AirStation 802.11g and 802.11b Access Points and Client Adapters, AirStaion 2.4GHz Antennas

How AOSS™ Handles Security

When two or more AOSS clients attach to the AOSS network, the client and router automatically negotiate the highest level of security that the clients and router can support. In the above example, one of the AOSS clients supports both WEP and WPA level encryption, while the other supports only WEP. AOSS automatically adjusts the security to the level that both clients support.

AirStation One-Touch Secure System

Buffalo Technology (UK), Ltd. is a leading global provider of affordable, easy-to-use, next-generation wired and wireless network solutions for the consumer, SOHO and SMB markets. With its expansion into the U.S. retail market, Buffalo offers home users a full suite of wireless home networking solutions such as its award winning line of AirStation 54g products; its 125* High Speed Mode™ 802.11g products; and its versatile line of 802.11a/b/g combo products. Buffalo completes its offerings with additional world-class networking solutions that include memory, storage and multimedia products – perfectly suited for any wireless environment. With its new AirStation One-Touch Secure System (AOSS), Buffalo offers the ultimate in ease-of-use and security. The company's commitment to its customers and technological innovation has put Buffalo at the forefront of networking technology and is the foundation for its leading position among the top WLAN vendors worldwide.

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